

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,507	02/22/2002	Mansukhbhai Ambabhai Jagani	SRS-001 (8773/1)	9969
21323	7590	10/10/2003	EXAMINER	
TESTA, HURWITZ & THIBEAULT, LLP HIGH STREET TOWER 125 HIGH STREET BOSTON, MA 02110			NOVOSAD, CHRISTOPHER J	
			ART UNIT	PAPER NUMBER
			3671	

DATE MAILED: 10/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/081,507

Applicant(s)

JAGANI, MANSUKHBHAI  
AMBABHAI

Examiner

Christopher J. Novosad

Art Unit

3671

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 25 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-20 is/are pending in the application.
- 4a) Of the above claim(s) 9-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7 and 8 is/are rejected.
- 7) ☒ Claim(s) 18-20 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

Art Unit: 3671

### **DETAILED ACTION**

Claim 6 has been canceled.

#### ***Claim Rejections - 35 USC § 103***

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyakoshi in view of Bobard.

With respect to claim 1, Miyakoshi shows an agricultural system (col. 9, lines 46-49) comprising:

a motorcycle drive unit 10 (Fig. 2) and a tool assembly 460 (Figs. 13 and 14); said motorcycle drive unit 10 (Fig. 2) adapted for removable attachment to said tool assembly 460 (Figs. 13 and 14), wherein said agricultural system (col. 9, lines 46-49) is capable of farming (note col. 9, lines 46-49).

With respect to claim 2, Miyakoshi shows a structural chassis 1 suitable for attachment to a farm implement (460 or note col. 9, lines 46-49).

As to claim 3, Miyakoshi shows a first wheel (unnumbered; Fig. 10) and a second wheel (unnumbered; Fig. 10).

Art Unit: 3671

Regarding claim 4, Miyakoshi shows a transmission unit 12 (Fig. 3) comprising a differential gear box 16 (Fig. 3) disposed between the first and second wheels and adapted to be connected to the motorcycle drive unit 10.

As to claim 5, the tool assembly 460 (Figs. 13 and 14) further comprises a multi-purpose tool bar 1e,1f,1g for at least one of a cultivator, a seed drill, and a sprayer kit (note col. 9, lines 46-48).

With respect to claim 7, the tool assembly 460 (Figs. 13 and 14) further comprises a lifting mechanism 473,473a (Fig. 13; note col. 10, line 43 regarding “lift arms 473”).

Regarding claim 1, while Miyakoshi shows the tool assembly 460 (Figs. 13 and 14) that appears to comprise a braking system (unnumbered; lever adjacent 22 in Fig. 1), Miyakoshi fails to **explicitly** show a braking system.

Bobard shows a motorcycle (Figs. 1 and 2) and discloses a “brake disc 25” in col. 3, line 27.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have utilized a braking system as disclosed in Bobard in the vehicle of Miyakoshi (which fails to **explicitly** disclose a braking system but appears to show a braking system as noted) to allow an operator to stop the vehicle. In any event, the use of a braking system on a motor vehicle is **notoriously** old in the art for the reason noted.

Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Miyakoshi in view of Bobard and Hebert.

With respect to claim 8, Miyakoshi shows an agricultural system (col. 9, lines 46-49) for farming comprising:

Art Unit: 3671

a motorcycle drive unit 10 (Fig. 2) wherein the motorcycle drive unit 10 is adapted for removable attachment to a tool assembly 460 (Figs. 13 and 14); said tool assembly 460 (Figs. 13 and 14) comprising a structural chassis 1;

a first wheel (unnumbered; Fig. 10);

a second wheel (unnumbered; Fig. 10);

a transmission unit 12 (Fig. 3) comprising a differential gear box 16 (Fig. 3) disposed between said first and second wheels;

a multi-purpose tool bar 1e,1f,1g for at least one of a cultivator, a seed drill, and a sprayer kit (col. 9, lines 46-49) mounted on the structural chassis 1.

Miyakoshi appears to show a braking system (unnumbered; levers adjacent 22 in Fig. 1) indirectly connected to at least one of the first or second wheels.

Miyakoshi also shows a lifting mechanism 473,473a (Fig. 13); note col. 10, line 43 regarding “lift arms 473”.

Regarding claim 8, while Miyakoshi shows the tool assembly 460 (Figs. 13 and 14) that appears to comprise a braking system (unnumbered; lever adjacent 22 in Fig. 1), Miyakoshi fails to **explicitly** show a braking system.

Bobard shows a motorcycle (Figs. 1 and 2) and discloses a “brake disc 25” in col. 3, line 27.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have utilized a braking system as disclosed in Bobard in the vehicle of Miyakoshi (which fails to **explicitly** disclose a braking system but appears to show a braking system as noted) to allow an operator to stop the vehicle. In any event,

Art Unit: 3671

the use of a braking system on a motor vehicle is notoriously old in the art for the reason noted.

While Miyakoshi implies that an axle is present for first and second wheels (unnumbered in Fig. 10), Miyakoshi fails to **explicitly** show an axle. Therefore, the claims distinguish over Miyakoshi in requiring the first and second wheels to be disposed at first and second ends, respectively of an axle.

Hebert shows first and second wheels  $B^1$ , unnumbered (Fig. 2) and  $B^2, B^1$  (Fig. 5) at ends of an axle 12 (Fig. 2) or 23 (Fig. 5), respectively.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have disposed the wheels (unnumbered) in Fig. 10 of Miyakoshi at opposite ends of an axle as shown in Hebert for operational simplicity and greater structural integrity and greater stability than would be present if the wheel were to be mounted directly to the chassis 1.

#### ***Allowable Subject Matter***

Claims 18-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Response to Arguments***

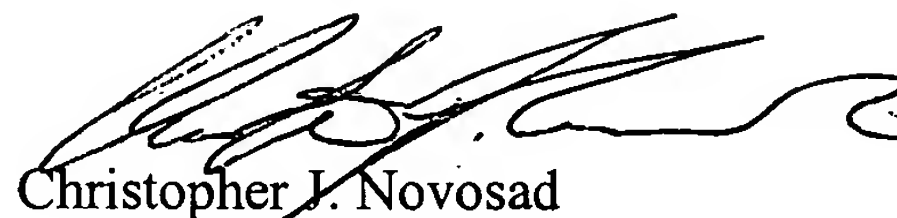
Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Art Unit: 3671

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher J. Novosad whose telephone number is 703-308-2246. The examiner can normally be reached on Monday-Thursday 5:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Will can be reached at 703-308-3870. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1020.



Christopher J. Novosad  
Primary Examiner  
Art Unit 3671

October 8, 2003